*Fig. 1*

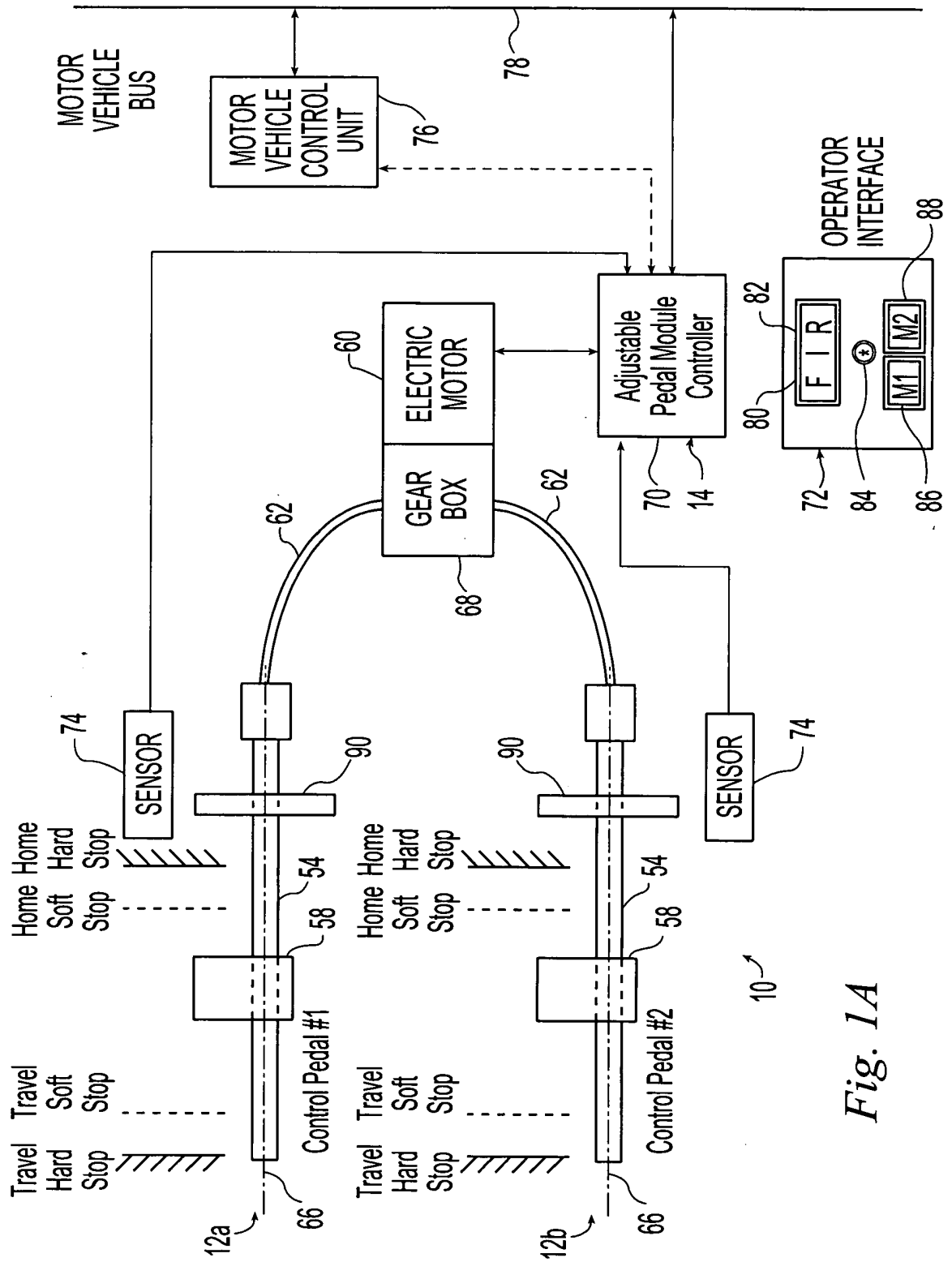


Fig. 1A

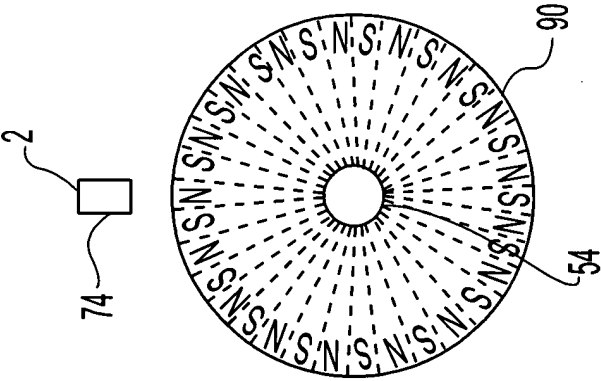


Fig. 1B

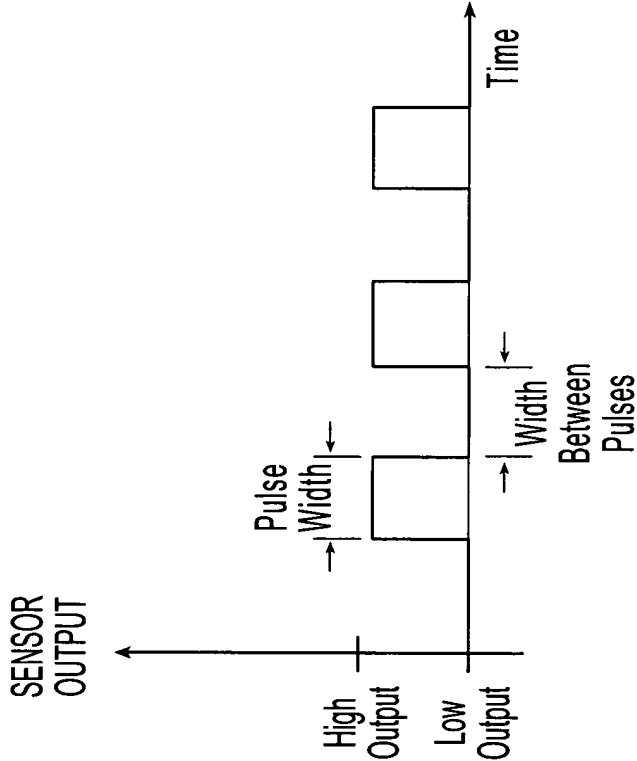


Fig. 1C

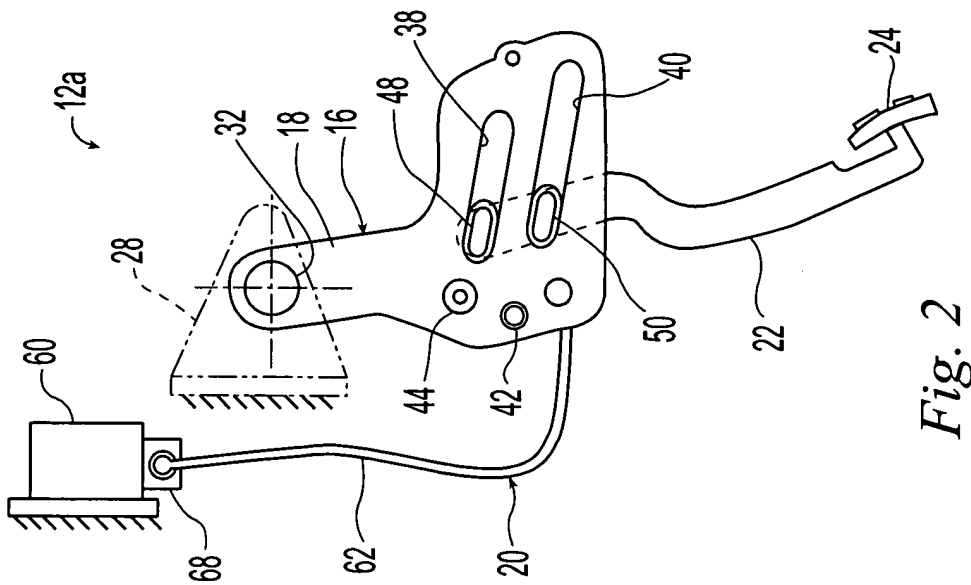


Fig. 2

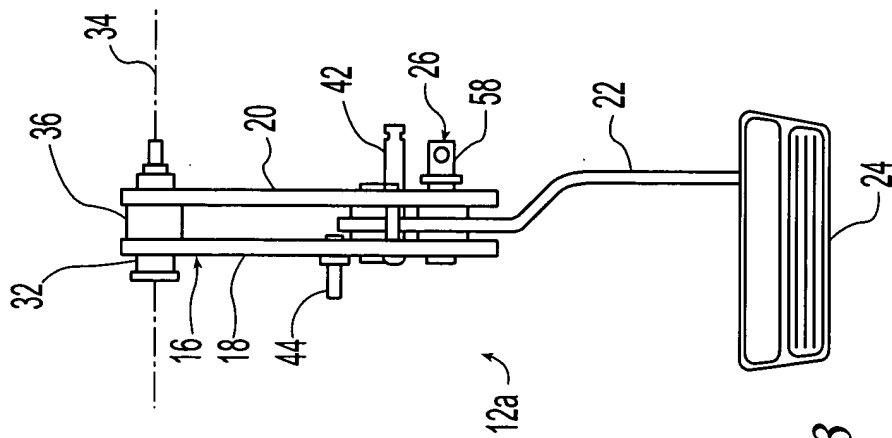
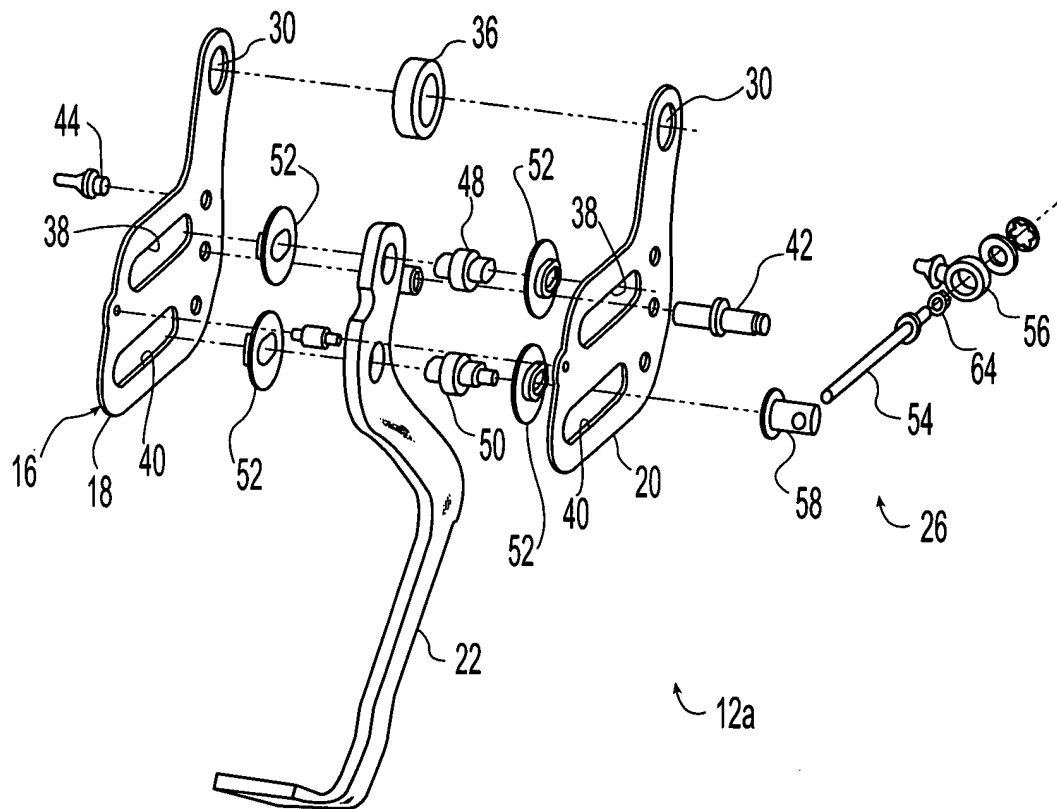
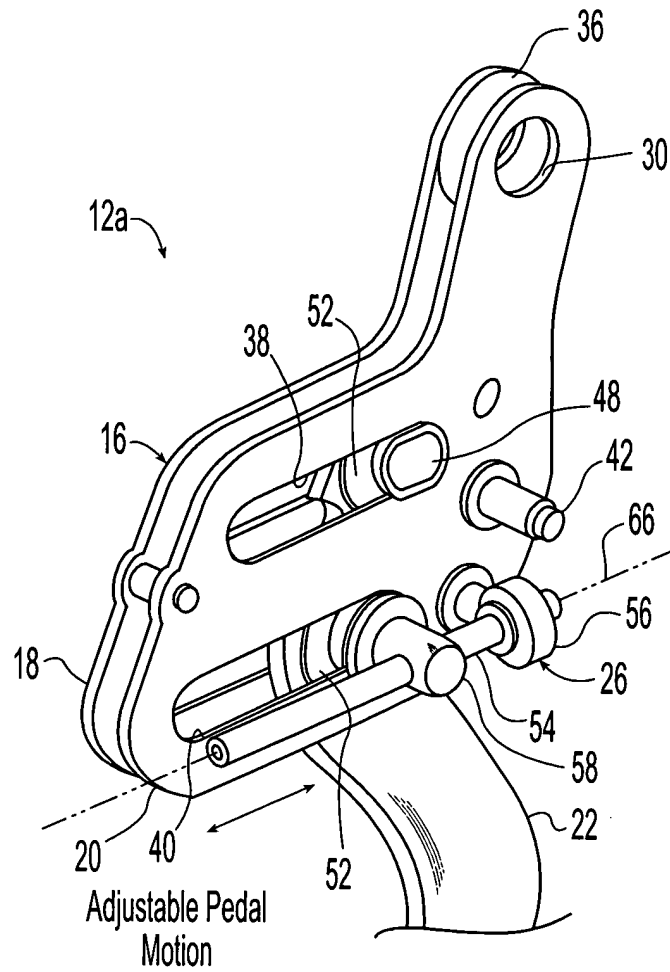


Fig. 3

*Fig. 4*

*Fig. 6*

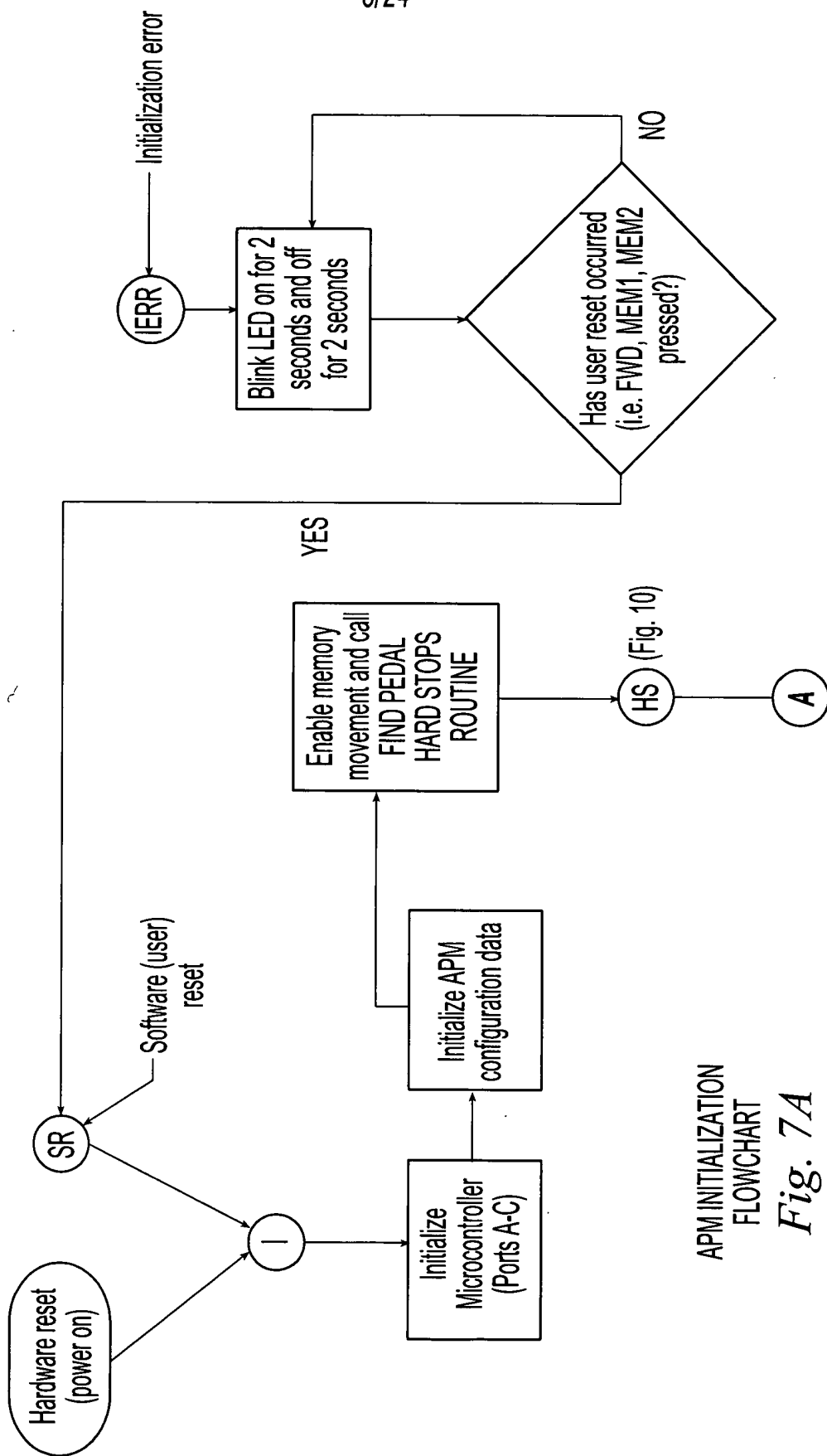
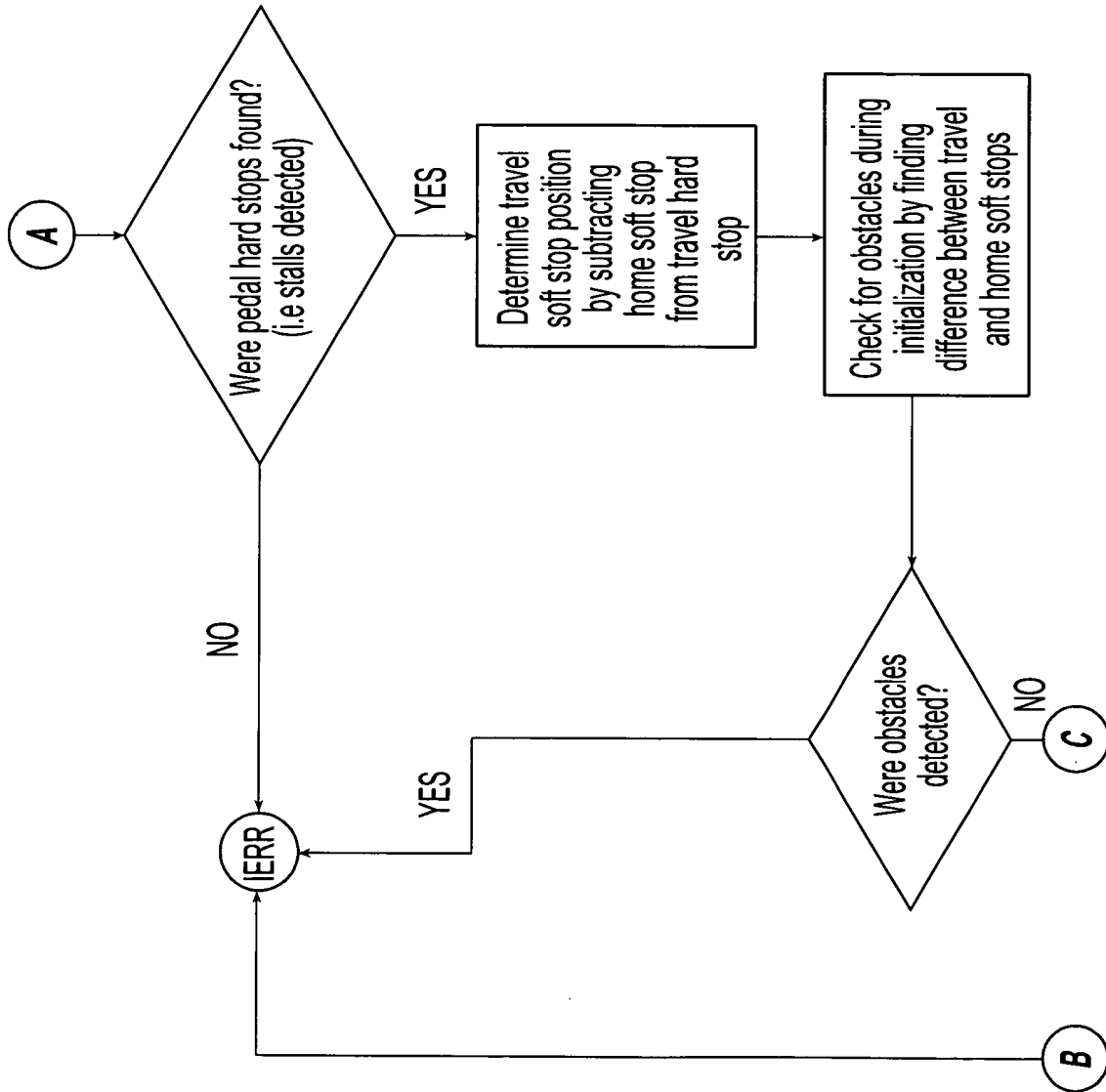
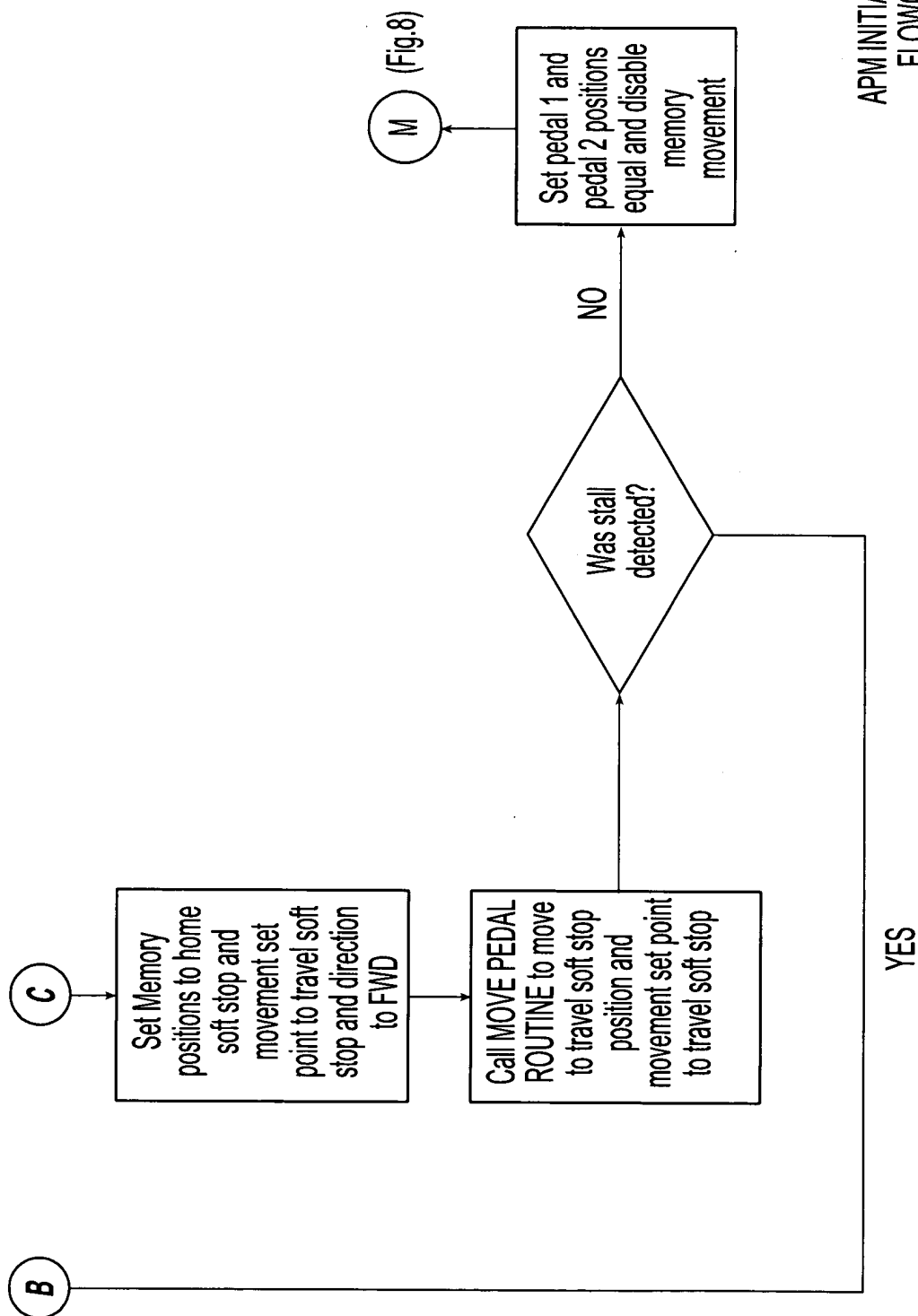
APM INITIALIZATION
FLOWCHART

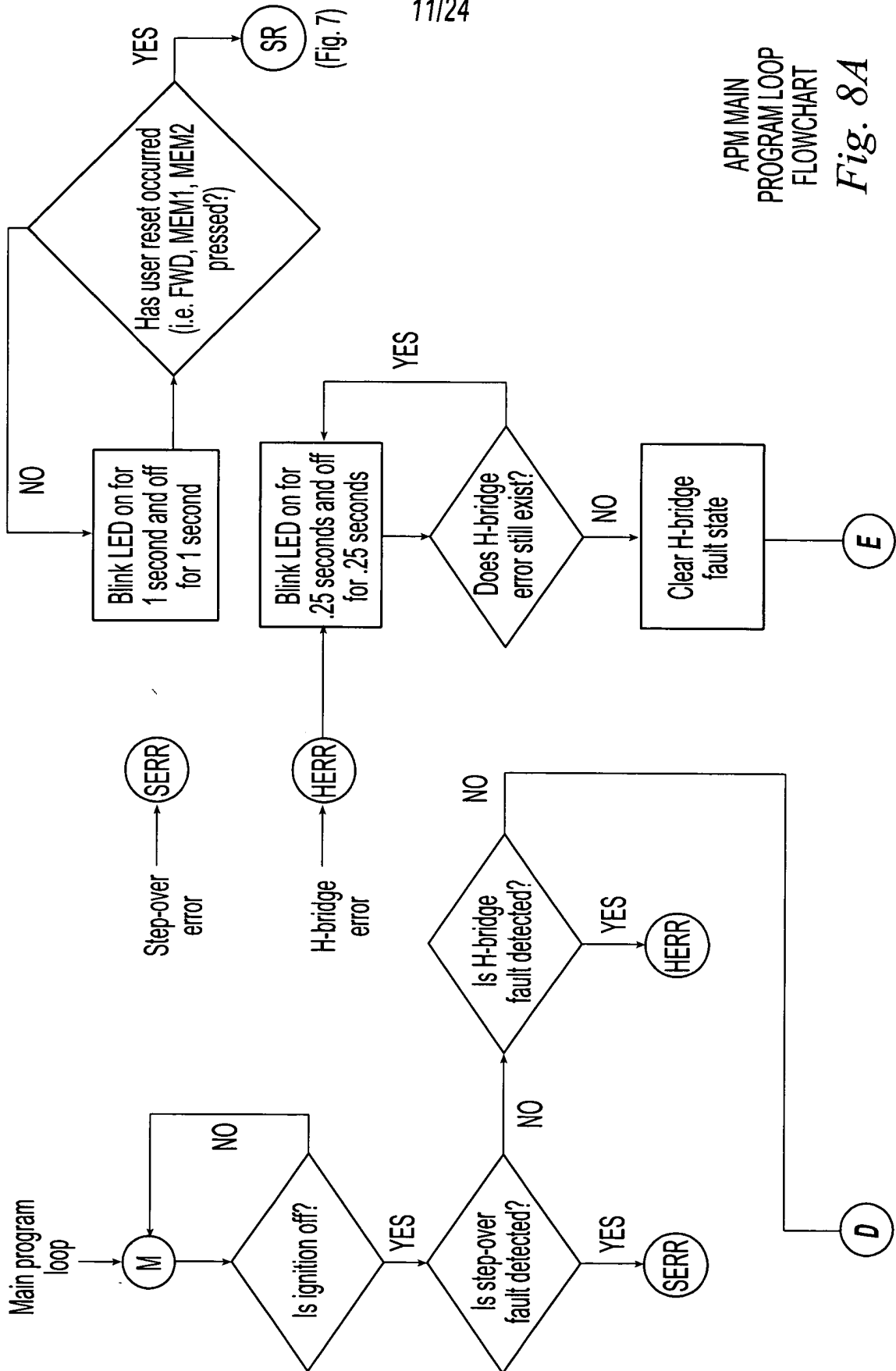
Fig. 7A

APM INITIALIZATION
FLOWCHART
Fig. 7B



APM INITIALIZATION
FLOWCHART
Fig. 7C

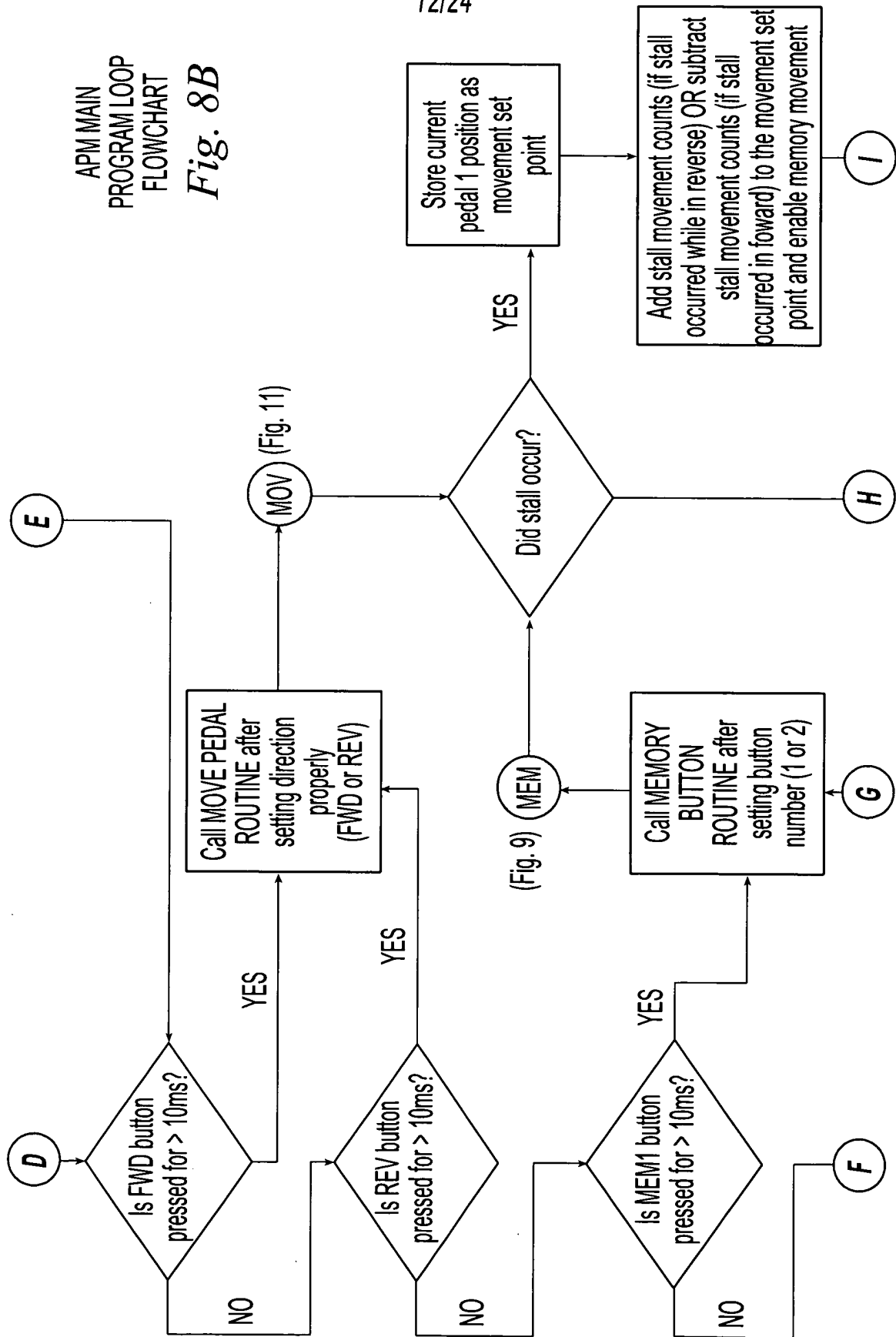
11/24

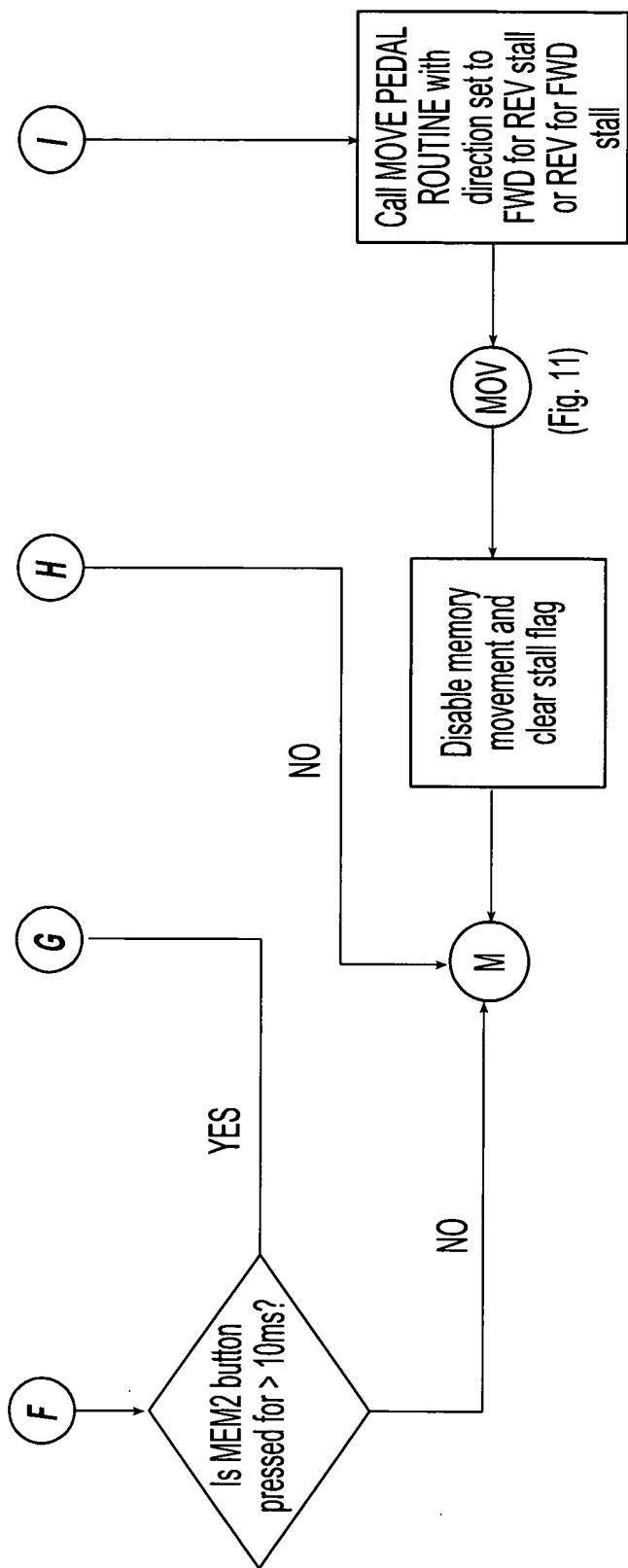


APM MAIN
PROGRAM LOOP
FLOWCHART
Fig. 8A

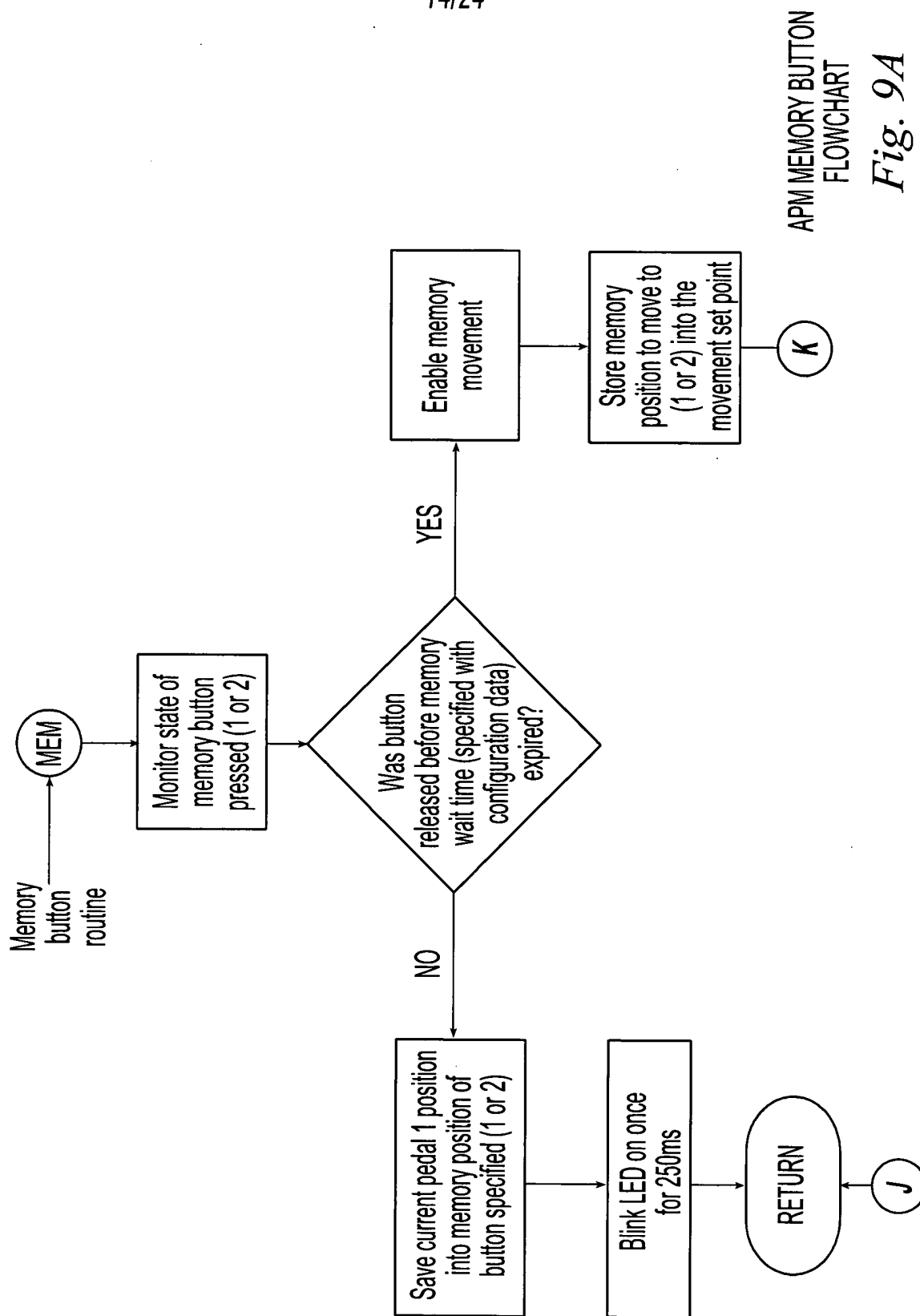
APM MAIN
PROGRAM LOOP
FLOWCHART
Fig. 8B

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APM MAIN
PROGRAM LOOP
FLOWCHART
Fig. 8C



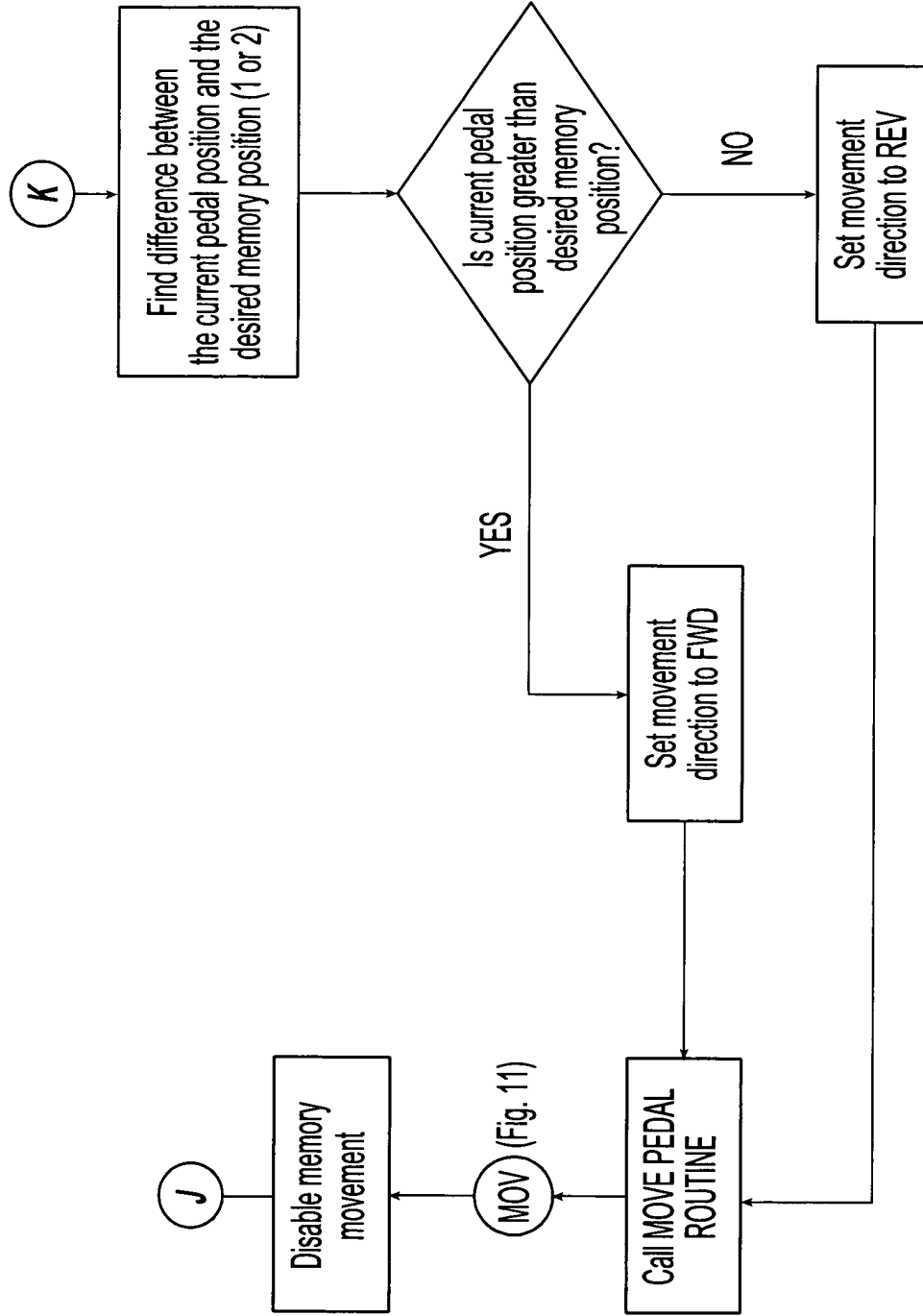
APM MEMORY BUTTON
FLOWCHART

Fig. 9B

Find
hard
stop
routine

HS

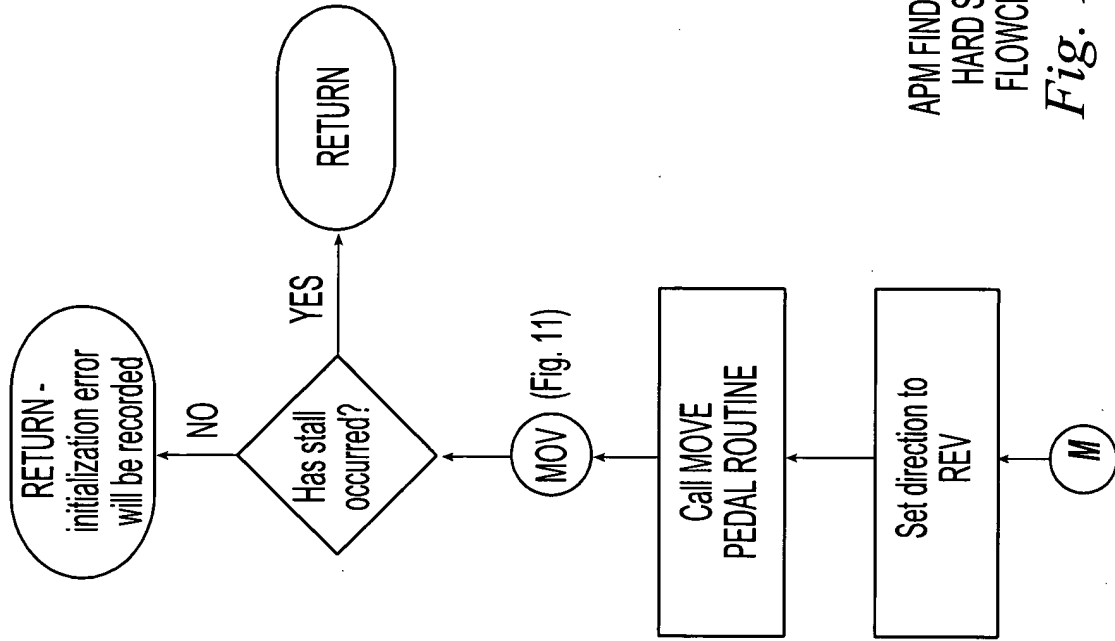
Set pedal 1 and pedal 2
positions to 0x7FFF so home
hard stop will be reached
before count reaches 0

Set movement set point
to 0 since we want to travel
to the home hard stop

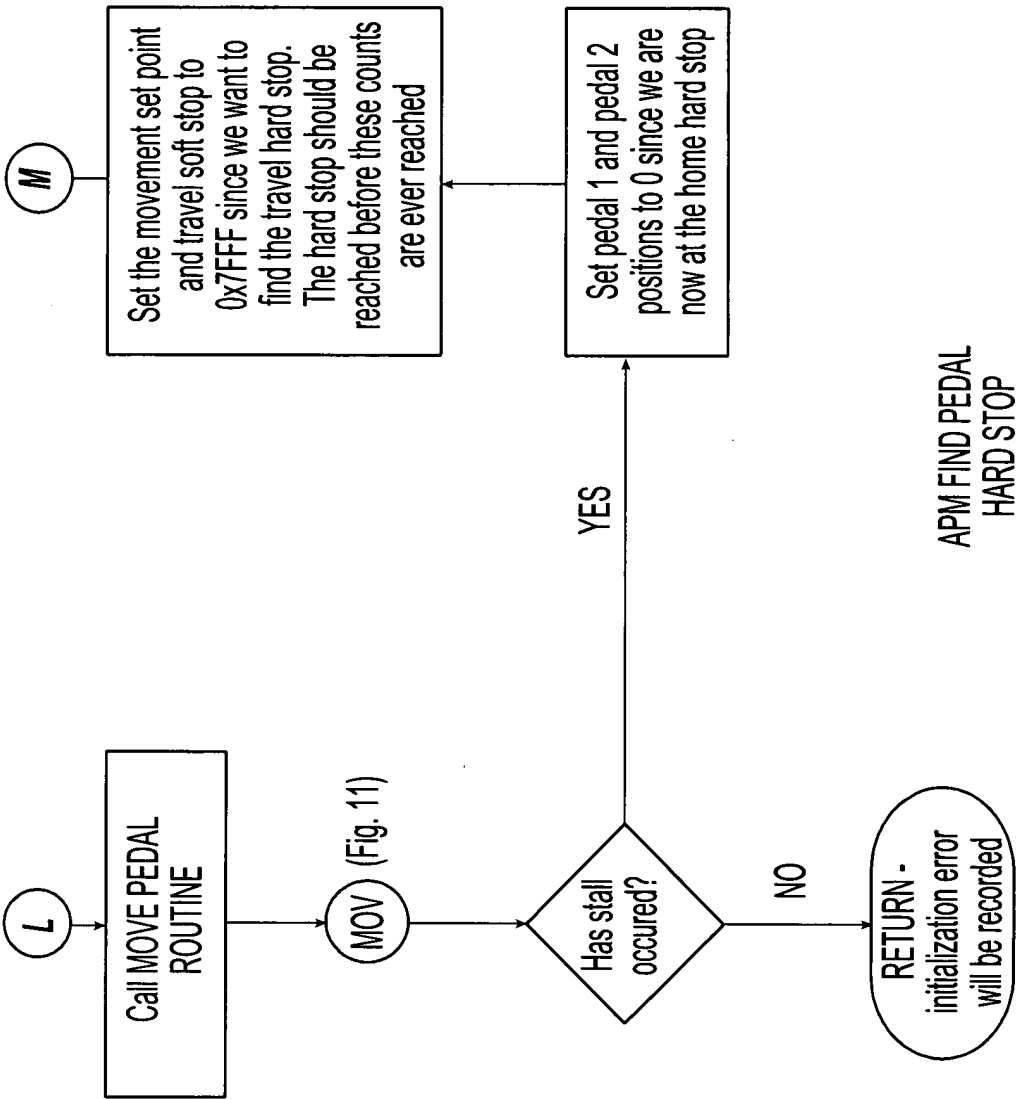
Set direction to
FWD

L

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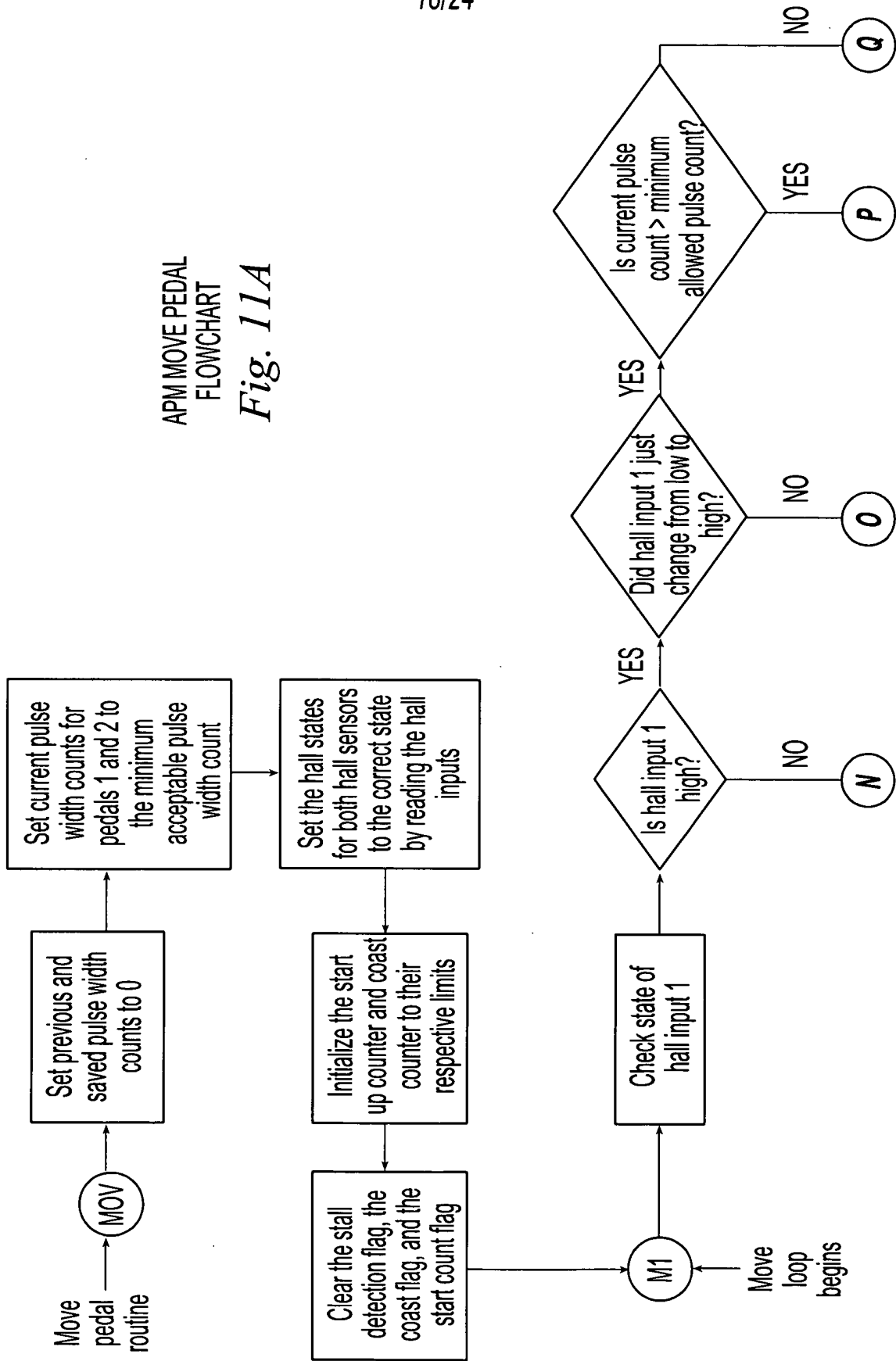
APM FIND PEDAL
HARD STOP
FLOWCHART
Fig. 10A

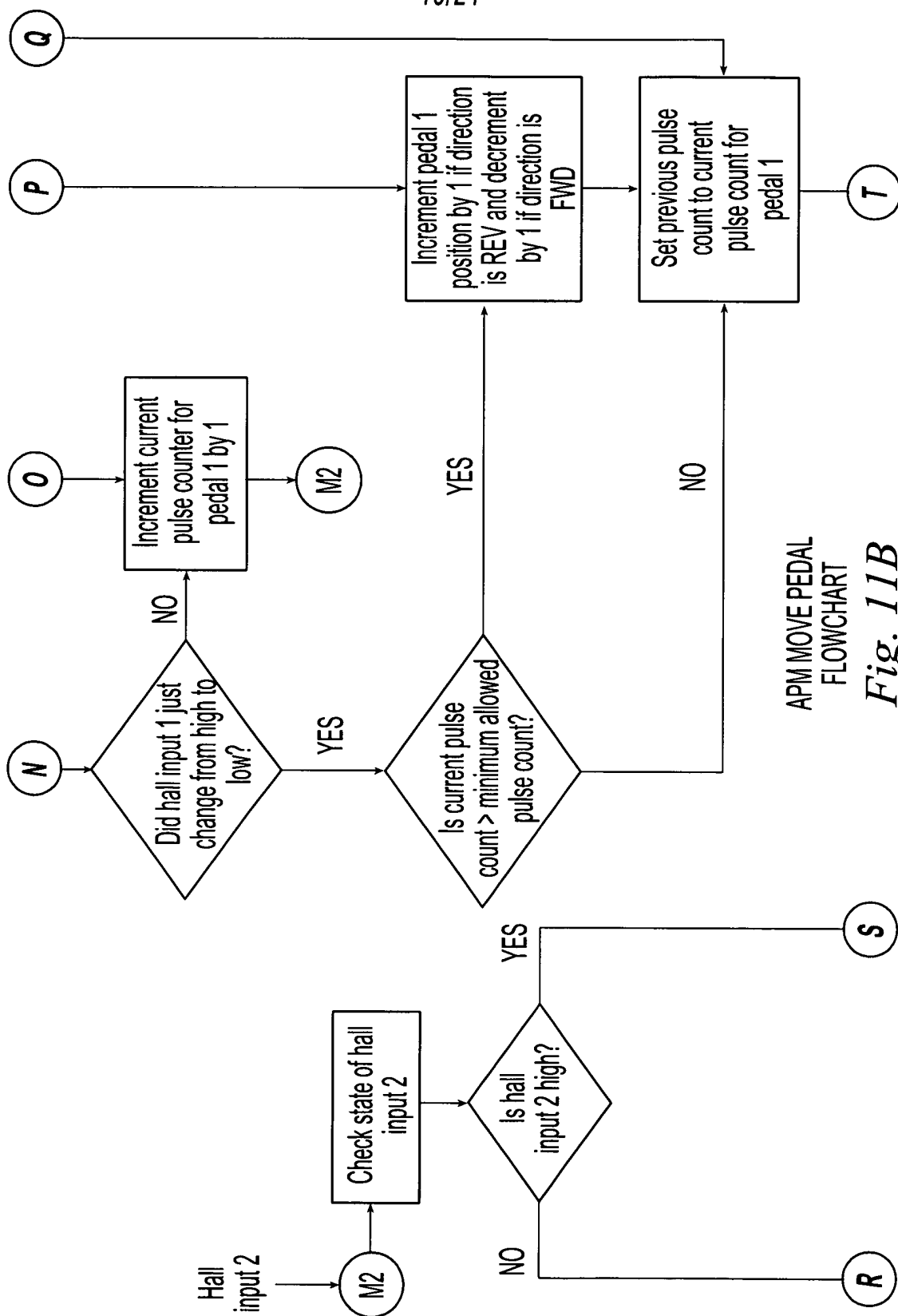


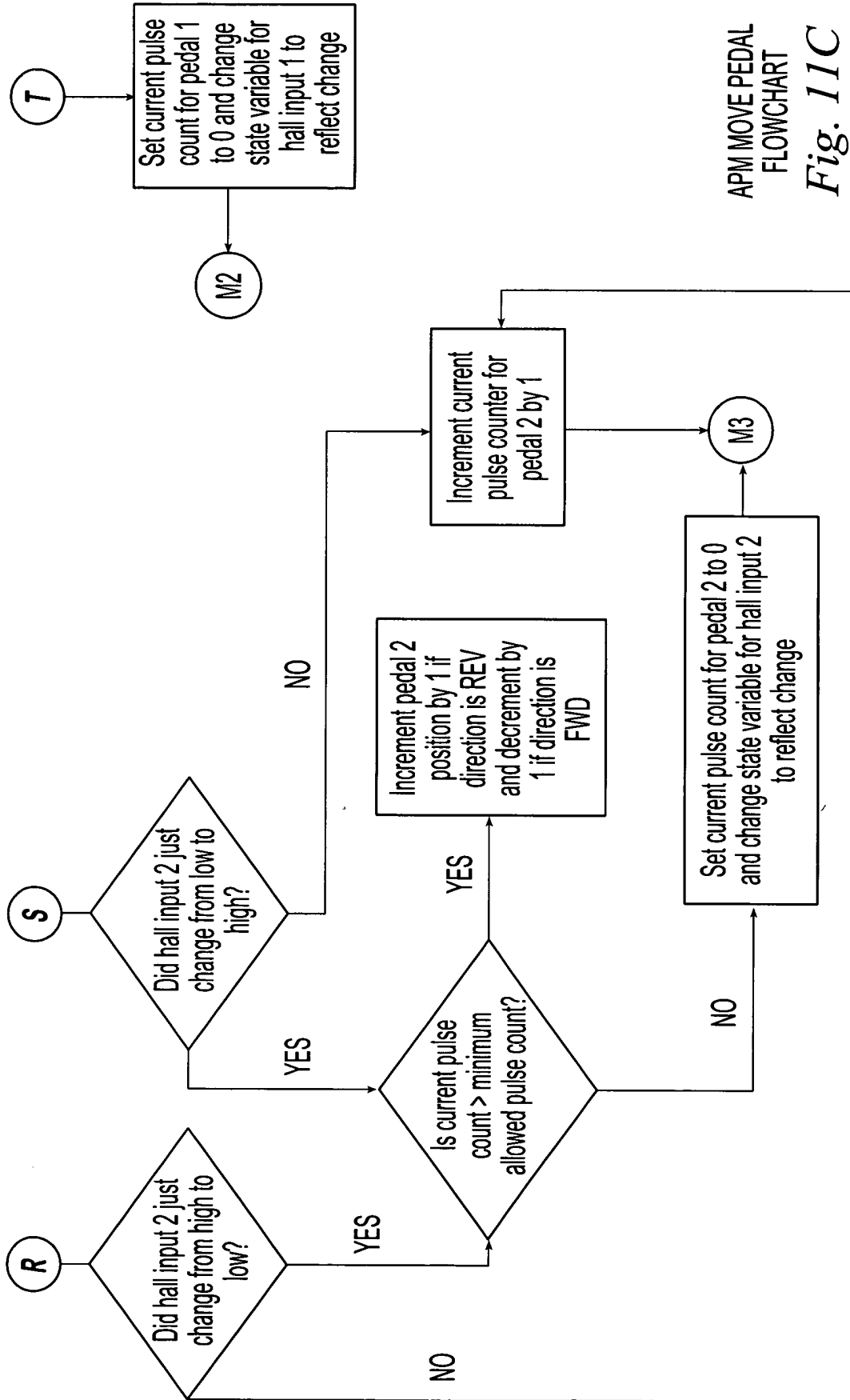
APM FIND PEDAL
HARD STOP
FLOWCHART
Fig. 10B

APM MOVE PEDAL
FLOWCHART

Fig. 11A

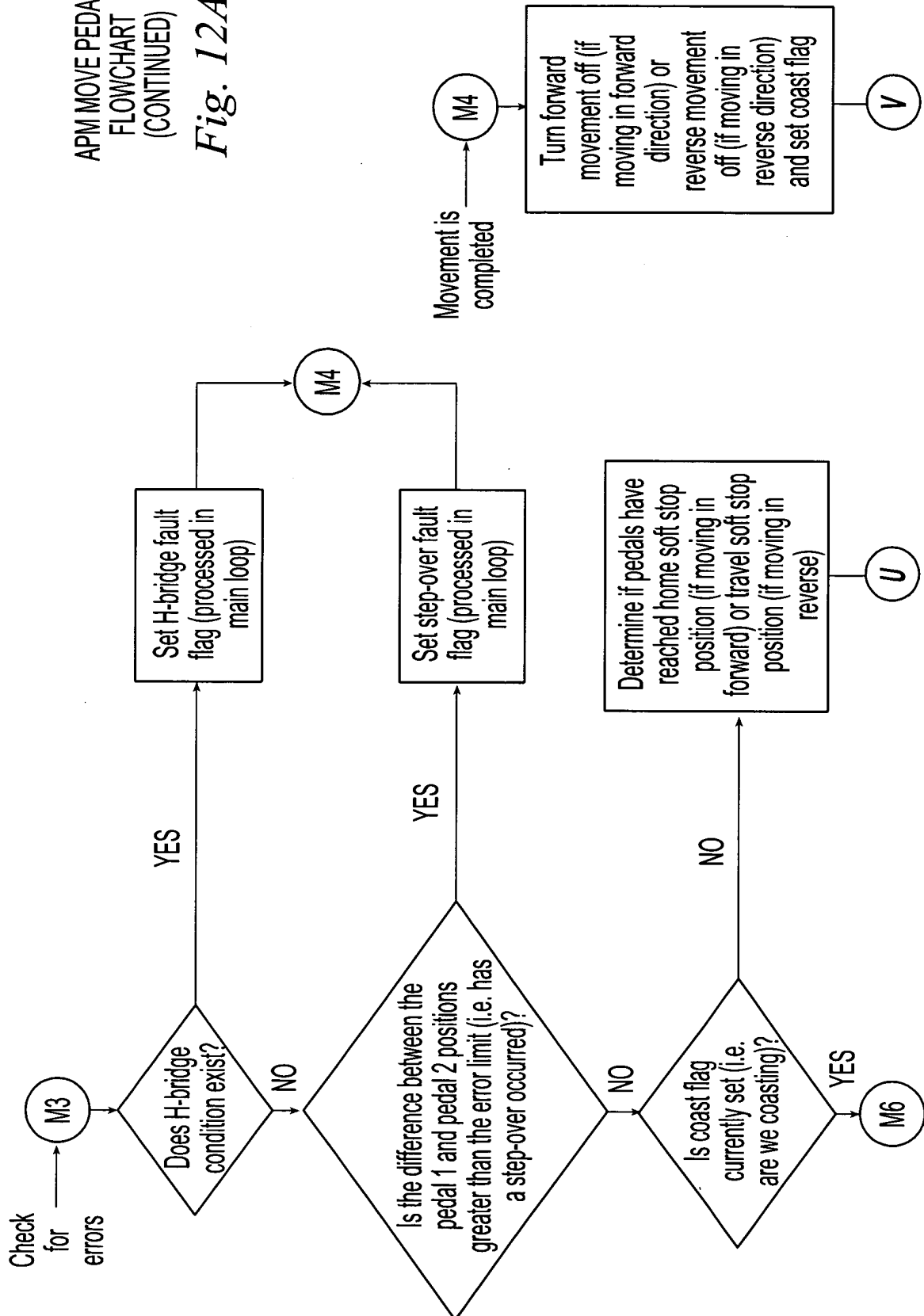


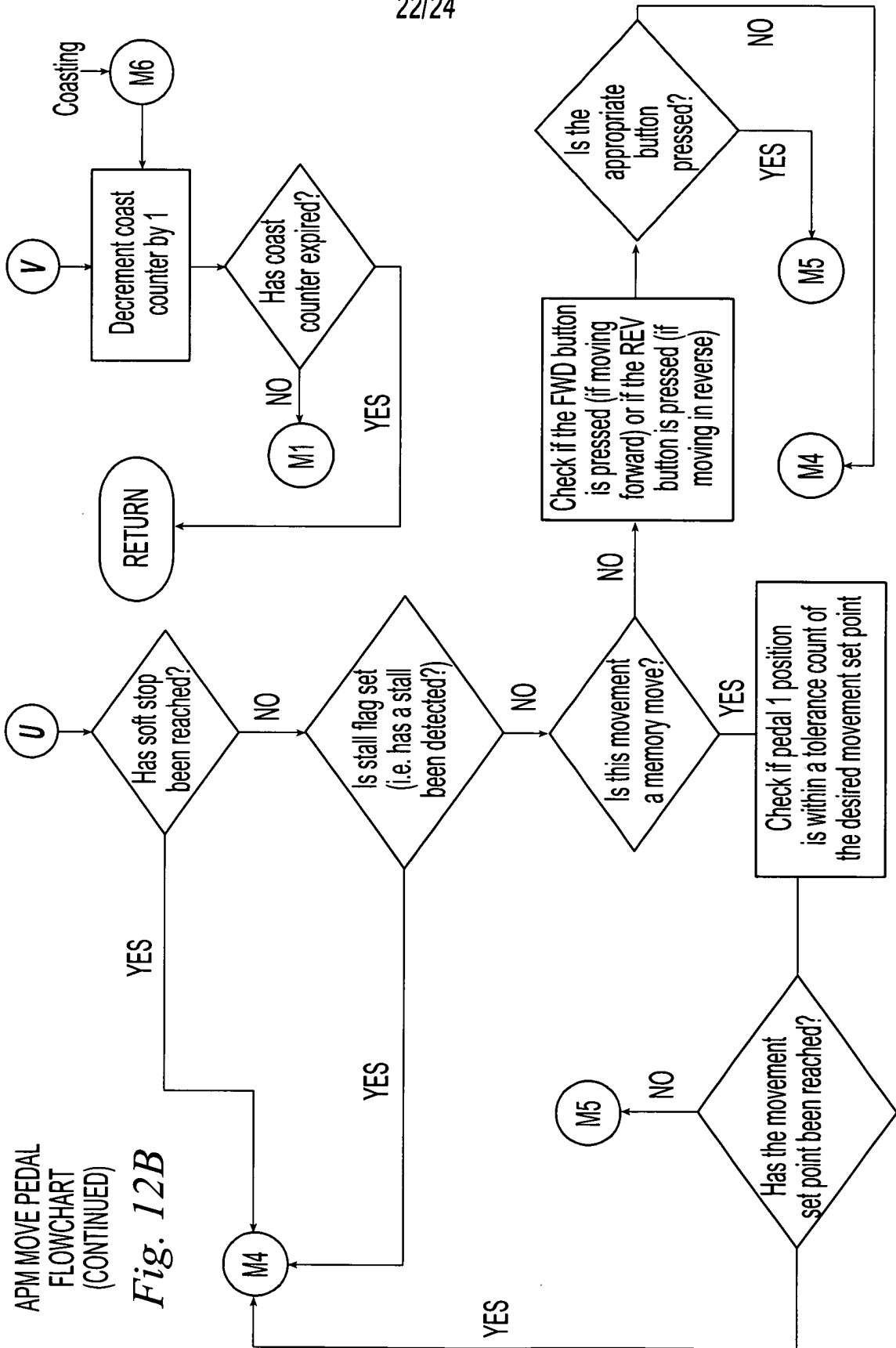




APM MOVE PEDAL
FLOWCHART
(CONTINUED)

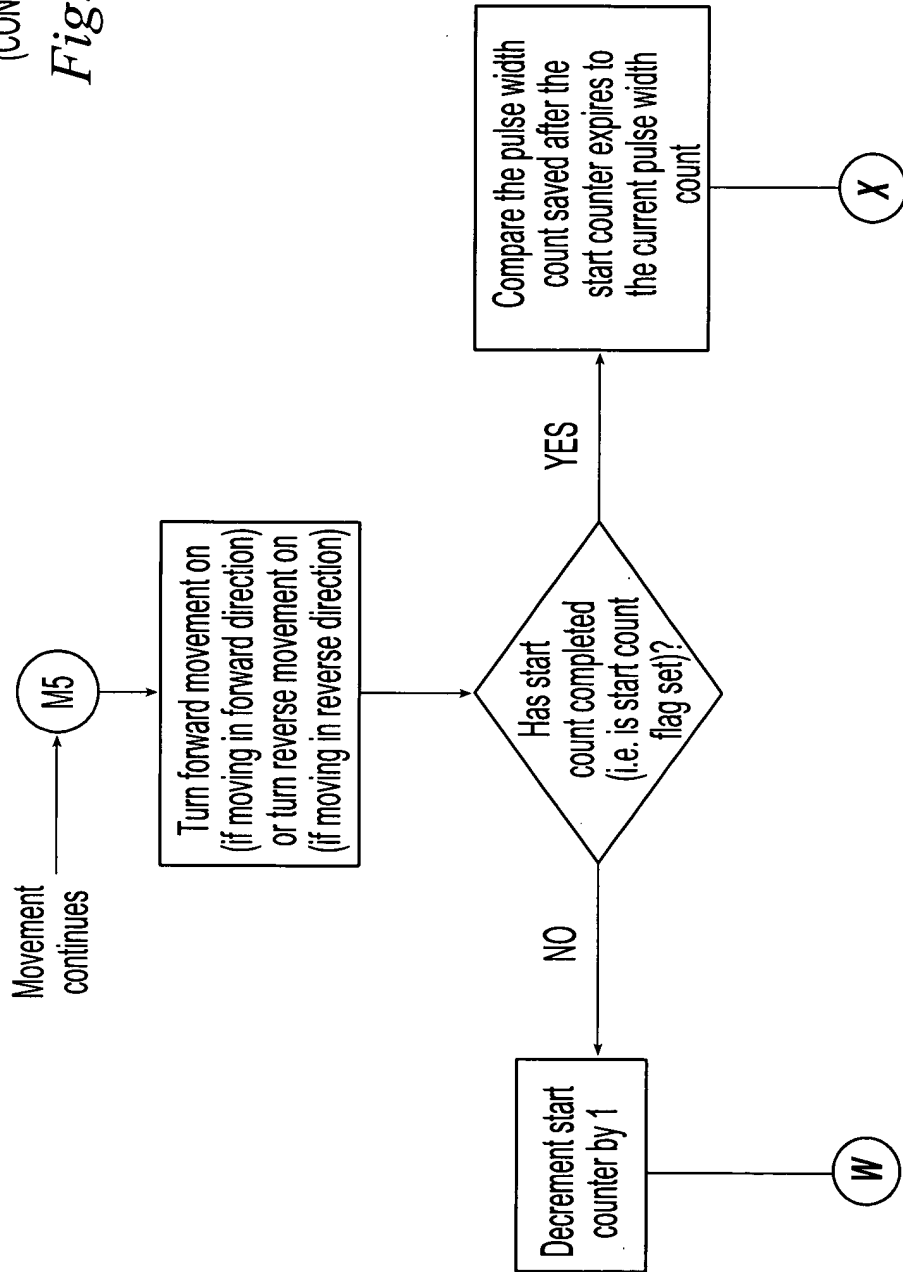
Fig. 12A





APM MOVE PEDAL
FLOWCHART
(CONTINUED)

Fig. 13A



APM MOVE PEDAL
FLOWCHART
(CONTINUED)

Fig. 13B

